Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/21/2021 09:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123257	-2	7.76	123156	7.74
Blue	F	SSC	125000	121183	-4	7.96	121621	8.01
Blue	E	FITC	14284	13520	-6	8.14 (1)	380	17.21
Blue	D	PE	23919	22999	-4	8.16	548	14.63
Blue	B	PerCP-Cy5-5	31332	29734	-6	8.48	855	19.03
Blue	A	PE-Cy7	22272	21547	-4	10.69	446	37.42
Red	C	APC	47768	46936	-2	4.63	1622	13.09
Red	A	APC-Cy7	25313	24579	-3	5.59	694	14.51
Violet	B	V450	7085	6705	-6	7.50 (2)	470	14.54
Violet	A	V500	26969	25572	-6	7.29	877	11.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23440	7.79	608	19	N/A	N/A	Pass
Blue	F	SSC	52375	7.92	535	14	N/A	N/A	Pass
Blue	E	FITC	55	60.82	507	6	0.0307	67	Pass
Blue	D	PE	105	48.08	505	8	0.2931	369	Pass
Blue	B	PerCP-Cy5-5	128	49.42	596	8	0.0140	49	Pass
Blue	A	PE-Cy7	69	99.85	648	13	0.0158	6	Pass
Red	C	APC	332	28.11	583	3	0.0221	91	Pass
Red	A	APC-Cy7	127	38.86	558	3	0.0049	1130	Pass
Violet	B	V450	78	52.95	456	-7	0.0363	1750	Pass
Violet	A	V500	101	36.24	467	-7	0.0186	868	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.72	-31.41	1.12
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.16	13.60 - 20.40	N/A	N/A	29.69	30.07	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10238

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments